

BPI fold containing family A Member 1 Recombinant Protein | BPIFA1 recombinant protein

Recombinant Human BPI fold containing family A Member 1

CATALOG # AAA38477	HOST E Coli
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PRODUCT SYNONYMS

BPI fold containing family A Member 1; Recombinant Human BPI fold containing family A Member 1; BPIFA1 Human; BPI fold containing family A Member 1 Human Recombinant; BPI fold-containing family A member 1; Lung-specific protein X; Nasopharyngeal carcinoma-related protein; Palate lung and nasal epithelium clone protein; Secretory protein in upper respiratory tracts; Tracheal epithelium-enriched protein; Von Ebner protein HI; BPIFA1; LUNX; NASG; PLUNC; SPURT; SPLUNC1; bA49G10.5; BPIFA1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 90.0% as determined by SDS-PAGE.
Form/Format	BPIFA1 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.2M NaCl and 30% glycerol. Sterile Filtered colorless solution.
Sequence	MGSSHHH HHHSSGLVPR GSHMGS QFGGLPVPLD QTLPLNVNPA LPLSPTGLAG SLTNALSNGL LSGGLLGILE NLPLLDILKP GGGTSGGLLG GLLGKVTSVI PGLNNIIDIK VTDPLLELG LVQSPDGHRL YVTIPLGIKL QVNTPLVGAS LLRLAVKLDI TAEILAVRDK QERIHLVLGD CTHSPGSLQI SLLDGLGPLP IQGLLDSL TG ILNKVLPPELV QGNVCPLVNE VLRGLDITLV HDIVNMLIHG LQFVIKV. u>
Sequence Length	256
Preparation and Storage	Store at 4 degree C if entire vial will be used within 2-4 weeks. Store, frozen at -20 degree C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for BPIFA1 recombinant protein	Description: BPIFA1 Human Recombinant produced in E Coli is a single, non-glycosylated polypeptide chain containing 260 amino acids (20-256 a.a) and having a molecular mass of 27.1kDa.BPIFA1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Introduction: BPI fold containing family A Member 1 (BPIFA1) belongs to the short subfamily of PLUNC family proteins and have homology only to the Nterminal domains of BPI. BPIFA1 is a secreted protein which is expressed in the secretory ducts and submucosal glands of tracheobronchial tissues. BPIFA1 binds to LPS (lipopolysaccharide) in nasal lavage fluid (NLF) which alludes to its role in the inflammatory response of the upper airways after exposure to irritants. BPIFA1 may also serve as a potential molecular marker for detection of micrometastasis in non-small-cell lung cancer. Decreased levels of BPIFA1 are observed in the NLF of smokers and people who have been exposed to reactive epoxy chemicals, which indicates that long-term exposure to airway irritants damages the production of BPIFA1 in the upper respiratory tract.
Product Categories/Family for BPIFA1 recombinant protein	Recombinant & Natural Proteins ; Recombinant Proteins

NCBI AND UNIPROT INFORMATION

NCBI GI #	342307069
NCBI GeneID	51297
NCBI Accession #	NP_001230122.1

NCBI GenBank Nucleotide #	NM_001243193.1
UniProt Accession #	Q9NP55 ; Q9NZT0 ; A6XMV5 ; A8K9R3 ; E1P5M9
Molecular Weight	25,257 Da
NCBI Official Full Name	BPI fold-containing family A member 1
NCBI Official Synonym Full Names	BPI fold containing family A, member 1
NCBI Official Symbol	BPIFA1
NCBI Official Synonym Symbols	LUNX; NASG; PLUNC; SPURT; SPLUNC1; bA49G10.5
NCBI Protein Information	BPI fold-containing family A member 1; ligand-binding protein RYA3; lung-specific protein X; nasopharyngeal carcinoma-related protein; palate lung and nasal epithelium clone protein; palate, lung and nasal epithelium associated; protein Plunc; secretory protein in upper respiratory tracts; short PLUNC1; tracheal epithelium enriched protein; tracheal epithelium-enriched protein; von Ebner protein HI
UniProt Protein Name	BPI fold-containing family A member 1
UniProt Gene Name	BPIFA1
UniProt Synonym Gene Names	LUNX; NASG; PLUNC; SPLUNC1; SPURT; SPLUNC1
UniProt Entry Name	BPIA1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/bpifa1-recombinant-protein-e-coli/38477>